TELEPHONY

THE AMERICAN TELEPHONE JOURNAL

INDEX TO VOLUME 90

January 2 to June 26, 1926

TELEPHONY PUBLISHING CORPORATION
608 So. Dearborn St.
CHICAGO

Immediately following the title of the articles in this index will be found the number of the issue, followed by the page number. Thus,' 10-15 means issue No. 10, page 15. Articles designated an asterisk (*) are illustrated.

A

Accident prevention: Wins accident prevention cup,* by J. L. Vandergrift, 9-18.
Accounting:
In utility regulation, by Walter J. Fitzpatrick, 22-27.
Independent telephone company accounting, by C. B. Russell, 18-36.
"Low-down" on plant accounting,* by G. A. Anderson, 14-12.
Setting up field reports by "codes",* by Fred C. Mendeck, 17-17.
Some Minnesota accounting errors,* by J. W. Howatt, 8-12.
The results of analyzing accounts,* 17-25.
Advertising (See "Publicity").
Anniversary celebration (See "Telephone's 50th birthday").
Annual reports:
American Telephone & Telegraph Co., 11-36.
Blair Telephone Co. of Nebraska, 14-42.
Crete (Neb.) Telephone Co., 5-24.
Farmers Home Telephone Co., Shelton, Neb., 19-21.
Farmers Telephone Co. of Dodge County, Neb., 16-28.
Granite Falls (Minn.) Telephone Co., 12-21.
Hamilton County Farmers Telephone Co. of Nebraska, 16-27.
Interstate Utilities Co., Spokane, Wash., 19-22.
Kearney (Neb.) Telephone Co., 12-20.
Keystone Telephone Co., 25-22.
Knapp properties in Ohio, 25-22.
LaCrosse Interurban Telephone Co., 12-20.
LaCrosse Telephone Co., LaCrosse, Wis., 12-20.
Lincoln (Neb.) Telephone & Telegraph Co., 5-29.
Manitoba Telephone System, 3-15.
Missouri Union Telephone Co., Clinton, 12-20.
Monroe Independent Telephone Co., Albion, Neb., 14-23.
Newark (O.) Telephone Co., 16-27.
Northwestern Bell Telephone Co., 20-30.
Platte County Telephone Co. of Nebraska, 19-23.
Platte Valley of Nebraska has good year, 19-21.
Summary of A company reports for 1925, 16-28.
Tri-State Telephone & Telegraph Co. of St. Paul,* 11-25.
Uintah Telephone Co., Vernal, Utah, 16-27.
Union Telephone Co., Owosso, Mich., 20-28.
Warren & Niles Telephone Co., Warren, Ohio, 12-20.
Arkansas:
Arkansans have good convention,* 7-20.
Association activities (See "United States Independent Telephone Associations" and also listings under various states).
American Telephone & Telegraph Co.:
Annual report for 1925, 11-36.
A. T. & T. charge cut to 4 per cent, 14-18.
Automobiles: Service car in small exchange,* by L. M. Lamkins, 5-25.

B

Bell:
New Hampshire commission approves license contract, 18-40.
Some 1926 Bell expansion plans, 2-31.
Birthday (See "Telephone's 50th birthday").
Blind operators have 16-year service record,* 18-26.
Book Reviews: Telephone communication systems, by Royce Gerald Kloeffler, 26-34.
Business: Getting business by telephone, by Charles G. Muller, 3-16.

C

Cable: Power cabling of automatic plant,* by A. Prado, 26-14.
California:
Annual convention,* 19-23.
Meeting of California association,* 4-19.
Modifies Los Angeles measured service business rates, 4-30.
Pacific Bell provides entertainment for original patrons,* 21-26.
San Francisco's Chinatown exchange,* by C. W. Geiger, 25-17.
Calling: Reverting calling on party lines,* 17-20.
Chain store idea, why not apply? by E. C. Towner, 8-15.
Chats about Company doings, Some, 2-29, 12-29, 13-27, 14-30, 16-32, 20-23, 24-19.
Chinatown exchange in San Francisco,* by C. W. Geiger, 25-17.
Class A officials hold conference, 19-17.
Collections: "Denied service and collections," by John M. Wever, 2-17.
Commercial:
Approaching the "balancing" point, by Mark Mellor, 12-17.
Inexhaustible commercial work, by H. J. Johnson, 6-17.
"The other side of the window," by Mark Mellor, 19-28.
Condensed telephone news, 7-40, 8-41, 9-42, 17-37, 20-41.
Consolidations (See "Mergers").
Construction (See also "Bell expansion plans").
Costs, 17-35.
Plans, 5-27, 8-18, 12-27, 14-20.
Lincoln company's budget for improvements,* by M. T. Caster, 9-16.
Plans of Independent companies for 1926, 4-24.
Continental Telephone Co. organized,* 22-16.
Conventions:
Arkansans have good convention,* 7-20.
California's annual convention,* 19-23.
California meeting,* 4-19.
Georgia holds fine convention,* 23-17.
Iowa convention arouses keen interest,* by Stanley R. Edwards, 17-12.
Kansas has enthusiastic, harmonious meeting,* 16-15.
Minnesota,* by Stanley R. Edwards, 6-12.
Nebraska's 27th annual convention,* by H. T. Dobbins, 10-23.
New York puts over fine convention, by H. D. Fargo, Jr., 22-12.
North Dakota's annual,* 16-21.
Ohio's greatest annual convention,* by Stanley R. Edwards, 18-12.
Oklahoma Telephone Association, 13-21.
South Dakota,* 4-26.
Texas holds excellent convention,* by L. S. Gardner, 13-12.
Wisconsin's 17th annual meeting,* by Stanley R. Edwards, 25-12.
Cost of construction of telephone lines, 17-35.

D

Depreciation: U. S. Supreme court ruling on, 17-28.
Directory:
Company liable for omission of name in directory, 7-38.
Distribution, new methods of records in, 2-27.
"Telephony's" 1926 directory well received, 26-24.

E

Educating school children in use of telephone,* 18-23.
Education of the stockholder,* by E. L. Gaines, 22-19.
England:
London and New York hold talks,* 11-20.
Modern system in old English city,* by J. W. Catchpole, 13-40
Popularizing England's telephones, 8-22.
Engineers:
Duties of a local traffic engineer, by G. R. Van Sickle, 23-20.
Engineers to unify wire and sheet metal gages, 16-19.
England:
Automatic installed at Ipswich,* by J. W. Catchpole, 23-28.
British post office making excellent progress in London, 14-28.
England and long distance service, 24-16.
Great Britain's telephone development, 26-17.
Strowger satellites for England,* by J. W. Catchpole, 15-42.
Work of Telephone Development Association, 18-11.
Ethics code adopted at Texas convention, 13-32.
Exchanges, new or rebuilt:
Erie company has house-warming,* 18-21.
New exchange at Belvidere, Ill.* by A. D. Boal, 24-24.
Farm & Home Telephone Co., Wagner, S. D., 3-29.
Clayton (Ill.) Farmers Mutual Telephone Co., 9-29.
"Open house" at Hoisington, Kans.,* 19-19.
Summerville company of Brookville, Pa.,* 1-21.

F

Factory: Independent factory as part of Independent group, by F. B. MacKinnon, 22-14.
Financial (See also "Annual reports" and "Interstate Commerce Commission"):
An Independent financing company,* 22-16.
Management; financial statements,* by I. J. Devoe, 23-14.
Small telephone companies, by W. D. Hanna, 17-14.
Summary of statistics of Class A member companies of national association, 19-17.
Utility financing requirements, by J. L. Seybold, 9-12.
Floor plans: Creston, Iowa, exchange, 15-24.
Florida:
Peninsular Telephone Co. to spend $2,500,000 this year, 2-29.
Selling Florida land by telephone,* by E. I. Campbell, 9-20.
Foreign (See also "England"):
Developments of telephone in Iraq, 1-14.
Extension of long distance in Mexico, 8-36.
History of telephone in Uruguay, 1-14.
Modern system arises from Tokyo disaster, by H. E. Clapham, 9-30.
Nanking and Shanghai soon to be connected by telephone, 12-27.
Panama Canal telephone system,* by John Wicks, 21-32.
Sidelights on Swedish conditions,* by Hugo Jonsson, 4-12.
Telephone advancement in Europe, 1-20.
Telephone development abroad, Ed., 24-11.
Telephone progress in Austria, 2-16.
To educate Japanese in use of Automatic, 12-16.
Who telephones in Greece? by Elizabeth Redington Stewart, 8-27.
Free Service: Rules against free service to Nebraska municipalities, 21-28.
Fundamentals of traffic results,* by J. N. Groleau, 7-14.

G

Georgia holds fine convention.* 23-17.
Graybar Electric Co. organized, 1-38.

H

Harrisonburg (Va.) Telephone Co. to maintain service reputation,*12-12.
Historical (See also "Telephone's 50th Birthday"):
An old timer's reminiscences,* by C. P. McCluer, 11-23.
Early days in and around Buffalo,* by Cecil W. Mackenzie, 12-18.
Fifty years of telephone service,* by C. W. Kugelman, 16-12.
Mistakes of the past—the remedy,* by J. C. Crowley, Jr., 4-28.
Some lessons learned from the past,* by H. N. Faris, 21-16.
Telephone in Uruguay, 1-14.
The Independents and the industry,* by Theodore Gary, 11-14.
Twenty years of telephone work,* by Miss Manta J. Elder, 13-17.

I

Illinois:
Commission may designate place of hearing, high court rules, 13-34.
Illinois commission severely scored by U. S. Supreme Court, 16-34.
Peoria case to federal supreme court, 9-32.
Independents and the industry,* by Theodore Gary, 11-14.
Indiana:
Citizens company of Terre Haute in new hands, 24-26.
Indiana Bell gets $350,000 increase, 14-34, 15-34.
Insurance: Public liability and property damage insurance, by W. D. Jackson, 17-32.
Interference, Nebraska power and telephone lines, cooperating on inductive interference, 20-17.
Interrupters:
Adjustment and maintenance of exchange ringing interrupters, 7-22.
Exchange ringing interrupters,* by E. R. Collins, 4-17.
Interstate Commerce Commission:
Approves acquisition of Somerset company by Perry County company of Ohio, 16-35.
Approves sale of Rogersville (Tenn.) Telephone & Telegraph Co., 8-33.
Approves sale of Shelby County company of Kentucky, 25-32.
Approves sale of Spruce Pine Telephone Co., 19-34.
Bell to take over Tri-State of Kentucky, 8-31.
Interstate Commerce Commission and its troubles, 7-22.
O. K.'s sale of Holston properties to Inter-Mountain company, 11-38.
O. K.'s sale of Shreveport (La.) Home Telephone Co. to Bell, 15-36.
Order on a company rule, 24-30.
Purchase of Bell by Mutual of Erie, 7-32.
Sale of Kirtland (Ohio) company approved, 21-28.
Summary of Class A company reports 7-30, 16-28, 20-30, 25-26.
Iowa:
Creston's modern telephone system.* 15-21.
Keen interest in Iowa convention,* by Stanley R. Edwards, 17-12.

K

Kansas:
Enthusiastic, harmonious convention,* 16-15
"Open house" at Hoisington,* 19-19.

L

Long distance:
England and long distance,, 24-16.

Engineering Lib.
Wash.

Northern trancontinental line under construction, 25–19.
Loops: Transmission in subscribers' loops,* by W. D. Lapin, 21–12.

M

Maintenance (See also "Transmission"):
Conditions affecting transmission,* by W. C. Hall, 20–16.
Duties of a telephone wire chief, by Theodore A. Adle, 19–14.
Management:
Management; financial statements,* by I. J. Devoe, 23–14.
Observations on office management,* by B. C. Bellows, 26–12.
Small plants visited on trade tour, by observing traveler, 20–12.
Things the public should know,* by Chas. S. Norton, 24–12.
Why not apply chain store idea? by E. C. Towner, 8–15.
Mergers (See also "Sales, mergers and reorganizations):
Nebraska commission gives views on, 22–36.
Southern Bell to take over Cumberland company, 25–30.
Michigan:
Action under way to revoke charter of Michigan Bell, 19–32.
Commission decision in Michigan Bell rate case, 3–19.
Hearing before special master in Detroit case, 22–36.
Reopens Michigan Bell case to probe A. T. & T. contract, 14–34.
Minnesota:
Annual report of Tri-State of St. Paul for 1925,* 11–25.
Minnesota "results" convention,* by Stanley R. Edwards, 6–12.
Some Minnesota accounting errors,* by J. W. Howatt, 8–12.
Tri-State installs 100,000th telephone,* by A. C. Brokaw, 1–15.
Missouri:
Annual convention, sixth district of Missouri holds fine meeting, 23–24.
Mistakes of the past—the remedy,* by J. C. Crowley, Jr., 4–28.
Modifies Los Angeles measured service business rates, 4–30.
Motion pictures: System for synchronization of sound and motion pictures, 25–20.
Motor equipment (See "Automobiles").

N

National association (See "United States Independent Telephone Association").
Nebraska:
Annual convention,* by H. T. Dobbins, 10–23.
Changes in operating organization of Lincoln company, 2–22.
District managers of Lincoln company hold conference, 22–29.
Form of advertising used effectively by Nebraska company,* by H. F. McCulla, 2–26.
Lincoln company's improvements,* by M. T. Caster, 9–16.
New Jersey case: Commission loses suit before high court in New Jersey case, 16–34.
New York:
Early days in and around Buffalo,* by Cecil W. Mackenzie, 12–18.
New York and London hold talks,* 11–20.
New York puts over fine convention,* by H. D. Fargo, Jr., 22–12.
New York rate case:
Commission hearing and rulings, 4–36, 10–46, 23–32, 25–32, 26–35.
Court hearings and rulings, 1–32, 2–40, 5–37, 6–36, 12–36.
North Dakota:
Annual convention, 16–21.
Association appoints committees for 1926, 24–15.
New officers of North Dakota association, 14–28.

O

Ohmmeters, Use of direct-reading,* by H. N. Faris, 12–12, 13–22.
Ohio:
Greatest annual convention,* by Stanley R. Edwards, 18–12.
State-wide rate investigation, Hearing in, 3–34, 11–40, 16–35.
Oklahoma:
Association has radio wire telephony committee, 8–36.
Telephone convention, 13–21.
Operating (See also "Traffic"): Blind operators have 16-year service record, 18–26.

P

Party lines: Reverting calling on,* 17–20.
Peg count and traffic studies,* by H. C. Scoles, 15–17.
Pennsylvania:
Association elects officers, 5–15.
Erie company has house-warming,* 18–21.
Erie company moves its automatic switchboard,* by H. E. Clapham, 5–16.
Growth and expansion of Summerville company of Brookville,* 1–21.
Personal notes from the field, 1–26, 2–34, 5–31, 6–19, 8–29, 11–34, 12–31, 16–30, 17–27, 22–30, 24–27, 26–26.
Plant:
Fifty years of telephone service; changes in equipment and practices,* by C. W. Kugelman, 16–12.
"Low-down" on plant accounting,* by G. A. Anderson, 14–12.
Setting up field reports by "codes,"* by Fred C. Mendeck, 17–17.
Poles:
Industrial tractor saves time in setting poles,* 25–20.
Some data on creosoted pine poles,* by H. E. Braunig, 26–30.
Telegraph-telephone pole that saw over 60 years of service,* 18–23.
Pontoon telephone line,* by John D. Guthrie, 23–23.
Power cabling of automatic plant,* by A. Prado, 26–14.
Private branche exchange, Operating,* by R. F. Pagels, 8–19.
Public: Things the public should know,* by Chas. S. Norton, 24–12.
Public relations:
Approaching the "balancing" point, by Mark Mellor, 12–17.
Inexhaustible commercial work, by H. J. Johnson, 6–17.
Public relations and tree trimming, by John Holland, 16–20.
"The other side of the window," by Mark Mellor, 19–28.
What public cooperation means,* by Frank C. Builta, 3–12.
Publicity:
Educating school children in use of telephone,* 18–23.
Los Angeles company furnishing "telephone facts" to the public, 8–28.
One form of advertising used effectively,* by H. F. McCulla, 2–26.
What public cooperation means,* by Frank C. Builta, 3–12.
Purchases (See "Sales mergers and reorganizations").

R

Radio:
Chicago holds wire-radio conversation with England, 14–18.
Dill radio bill approved by senate committee, 19–30.
Federal court rules against government in first "air piracy" case, 17–36.
Hook up telephones, radio for long distance calls, 8–16.
House approves White bill to regulate radio, 12–28.
Interesting statistics, 18–30.
List of 53 causes of radio interference, 20–19.
New York and London hold talks,* 11–20.
Radio control bill before Senate, 20–32.
Radio Corporation to establish photo transatlantic service, 16–19.
Two-way conversations with airplane near Dayton, Ohio, 11–50.
Rates (See also "rural rates," "toll rates," and Michigan Bell, New Jersey, New York and Ohio Bell rate cases):
Commission criticized by high court in Peoria rate case, 16–34.
Commission upheld by court in West Virginia rate case, 19–34.
Higher rates for New England Bell in New Hampshire approved, 16–37.
Illinois Consolidated company increases rates under court injunction, 11–38.
Indiana Bell gets raise in 43 cities and towns, 14–34, 15–34.
New England Bell's Rhode Island rates approved, 2–36, 3–34.
New toll rates in Florida, 5–36.
Permanent injunction granted in Spokane rate case, 20–34.
Ruling on charges for summer season subscribers, 1–36.
Union of Owosso gets temporary increase, 8–31, 13–36.
Regulation: Accounting in utility regulation, by Walter J. Fitzpatrick, 22–27.
Reminiscences: (See "History").
Reorganizations: (See "Sales, mergers and reorganizations").
Ringing interrupters, Exchange,* by E. R. Collins, 4–17.
Rural:
Has right to refuse rural line service to enforce payments, 2–37.
The telephone and rural residents, by Edward C. Owens, 3–26.

S

Safety: First part of new electrical safety code ready, 18–30.
Sales, purchases and reorganizations (See also "Interstate Commerce Commission"):
Agreement for merger of Geneseo, Ill., telephone systems, 8–21.
Agreement for merger of Home company of Henderson, N. C., and Carolina company, of Tarboro, N. C., 7–22.
Amherst and Nelsonville companies of Wisconsin combine, 17–24.
Approves merger of Home and Cairo with Illinois Bell, 1–32.
Arcadia (Neb.) plant, 10–40.
Boone County Telephone Co., Belvidere, Ill., bought by Madison men, 3–29.
Burlingame (Kans.) Independent Telephone Co., 13–26.
Carroll County Independent Telephone Co., bought by Northwestern Illinois Utilities Corp., 1–31.
Citizens Telephone Co., Columbia, Tenn., 22–39.
Carroll County Independent Telephone Co., Savannah, Ill., 13–41.
Citizens of Pekin sold to Chicago parties, 19–18.
City Telephone Co, Sidney, Iowa, 13–41.
Clyde Telephone Co., bought by Central Kansas Telephone Co., 5–29.
Commission approves sale of Coles County Telephone Co. and Queen City & Shelby County Mutual Telephone Co. to Illinois Southeastern Telephone Co., 6–36.
Community Telephone Co., sold to Southeast Missouri Public Service Co., 7–19.
Concord and Vanceburg, Ky., telephone companies sold to Lewis County Home Telephone Co., 14–18.
Dowagiac (Mich.) Telephone Co., 26–20.
Deer River (Minn.) Telephone Exchange, 7–30.
DeKalb County company to take over Rock River properties, 20–22.
Delaware County Telephone Co., Manchester, Iowa, 7–30.
Eastern Wisconsin Telephone Co. and Seymour-Shiocton Telephone Co. bought by Commonwealth Public Service Co., Chicago, 4–30.
Fairfax (Okla.) Telephone Co., 23–22, 26–20.
Farm & Home, Wagner, S. D., and Parkston exchange, Parkston, S. D., sold to Dakota Central, 16–23.
Farmers Telephone Co., Smith Center, sold to United of Abilene, Kans., 12–16.
Greencastle (Ind.) Telephone Co., 22–44.
Home of Cairo to be taken over by Bell, 13–34.
LaFollette Water, Light & Telephone Co., Tennessee, 8–20.
Langdon (N. D.) Telephone Co., 1–17.
Lansing (Kans.) Telephone Co. changes owners, 7–26.
Loogootee (Ind.) Telephone Co., 8–31.
Meadow Grove (Neb.) exchange, 24–18.
Medina Telephone Co. and Brunswick Telephone Co. bought by F. A. Knapp, 5–19.
Mentor (Ohio) Telephone Co., to Bell, 12–36.
Merger of Holstein, Advance Rural and Cushing telephone companies, 20–17.
Middle States Utilities Co. purchases telephone companies, 23–19.
Minneapolis exchange of Central Kansas Telephone Co., 13–36.
Montour & Columbia Telephone Co. bought at receiver's sale, 7–23.
Nebraska properties sold to several different properties, 26–36.
Napoleon (Ohio) Telephone Co. bought by Lima syndicate, 1–19.
New company takes over DeKalb County and Rock River systems, 22–35.
Oberlin company purchased by Frank H. Knapp of Bellevue, Ohio, 19–26.
Ohio Telephone Co., Newport, N. Y., 8–32.
Oklahoma Telephone Co. organized to take over plants at Broken Arrow, Hominy and Stroud, 2–21.
Pewaukee-Sussex Telephone Co., Pewaukee, Wis., 12–38.
Public Utility Investment Co. buys telephone properties at Tescott, Beverly, Culver and Bennington, Kans., 14–23.
Reardon (Wash.) Telephone Co. bought by Interstate Utilties Co., 3–28.
Saybrook (Ill.) Telephone Co., 23–17.
Sebring, Fla., exchange of Mitchell Telephone Co., 12–16.
Shirley (Ind.) Telephone Co., 15–30.
South Stark Telephone Co. of Ohio, 23–38.
Traer (Iowa) Mutual Telephone Co., 8–20.
Two Rivers (Wis.) Telephone Co., 9–17.
Union City (Ind.) Telephone Co., changes owners, 7–26.
United company of Indianapolis to merge seven concerns, 15–30.
Western (Neb.) Telephone Co., 24–26.
Williamston (N. C.) Telephone Co., 11–22.
Service:
Service and how to give it, by Miss Helen Maus, 5–20.
Small plants visited on trade tour, by Observing Traveler, 20–12.
Small exchange problems: Financing small telephone companies, by W. D. Hanna, 17–14.
South Dakota's 20th annual meeting,* 4–26.
Southern Bell to take over Cumberland company, 25–30.
Statistics (See "Financial").
Stockholder, Education of the,* by E. L. Gaines, 22–19.
Stromberg-Carlson had good year in 1925,* 16–41.
Summer season subscribers, Ruling on charges for, 1–36.

Sundry snapshots along the telephone trail,* 1-18, 2-19, 8-21, 13-29, 14-22, 15-32, 18-28, 23-18, 26-19.
Swedish conditions, Sidelights on,* by Hugo Jonsson, 4-12.

T

Talking Movies: System for synchronization of sound and motion pictures, 25-20.
Telephone's 50th anniversary:
Messages from the Independent and Bell groups,* 10-12.
Pacific Bell provides entertainment for original patrons,* 21-26.
Semi-centennial of the telephone,* by General John J. Carty, 5-13.
Telephone, uses of:
Getting business by, by Charles G. Muller, 3-16.
Selling Florida land by telephone,* by E. I. Campbell, 9-20.
Telephone, Value of: To rural residents, by Edward C. Owens, 3-26.
Testing: Use of direct-reading ohmmeters,* by H. N. Faris, 12-12, 13-22.
Voltmeter resistance measurements, by H. N. Faris, 14-16.
Texas:
District meetings planned, 22-20.
Holds excellent convention,* by L. S. Gardner, 13-12.
Toll (See also "Traffic"):
Increasing sales of toll service,* by Jasper M. Allen, 1-12.
Intrastate toll rates of Northwestern Bell modified, 25-34.
Lower toll schedule filed by Bell of North Dakota, 22-38.
C-L-R method of handling toll,* by Miss Margaret Celeste Grace, 24-17.
Traffic:
Advantage of having friends in other exchanges, by Miss Gladys H. Minds, 18-32.
City, town and main street "centrals," by Miss Anne Barne, 2-20.
C-L-R method of handling toll,* by Miss Margaret Celeste Grace, 24-17.
Conservation of circuit time, Mrs. Eva G. Biccum, 22-23.
Do you know, Miss Toll Operator? 9-28.
Duties of a local traffic engineer, by G. R. VanSickle, 23-20.
Duties of a night operator, by Mrs. Addie Farrell, 15-25.
Fundamentals of traffic results,* by J. N. Groleau, 7-14.
Just try this plan a while, by Miss Lela Potter, 9-27.
Less criticism—more encouragement is needed, 8-27.
Loss of toll revenue due to misuse of circuits, by Miss Ferne Stamm, 9-27.
Observations on office management,* by B. C. Bellows, 26-12.
Operating private branch exchange,* 8-19.
Operators' part in football game, by Miss Manta J. Elder, 3-27.
Overlapping operations, by Miss Lillian Davis, 9-27.
Peg count and traffic studies,* by H. C. Scoles, 15-17.
Practical plans for building interest in operating in a group of exchanges, and the results, by Miss Martha O'Dell, 18-34.
Purpose of a traffic conference, by Miss Marguerite P. Croake, 22-23.
Routing directions on toll calls,* by Miss Irene Goodall, 20-20.
Serving public through recording,* by Miss Ruby Green, 14-26.
Subscriber's complaints and the operator,* by C. G. Vickery, 22-21.
Teamwork, by Mrs. Allen Chase, 5-21.
Telephone girls of many lands, by Miss Irene Bresman, 5-20.
Telephone service, by Miss Mildred Bryant, 15-25.
The spirit of service, by Miss Grace Peltier, 5-21.
The value of instructions, by A. C. Stuart, 18-32.
Traffic conference at Rochester,* 22-21.
Twenty years of telephone work,* by Miss Manta J. Elder, 13-17.
Transmission:
Conditions affecting transmission,* by W. C. Hall, 20-16.
Improving telephone transmission,* by V. P. Ettinger, 2-12.
Transmission in subscribers' loops,* by W. D. Lapin, 21-12.
Tree trimming and public relations, by John Holland, 16-20.

U

United States Independent Telephone Association:
Announces operators' correspondence course, 16-19.
Conference of class A officials, 19-17.
Correspondence course in toll operating well received, 20-15, 21-15.
Plans for celebrating telephone's 50th birthday, 7-19.
Quarterly meeting of directors of national association, 19-18.
Review of work of accounting division, 17-25.
The national association; its work,* by F. B. MacKinnon, 18-18.

V

Voltmeters:
Use of shunted voltmeters for low resistance measurements,* by H. N. Faris, 13-22.
Voltmeter resistance measurements, by H. N. Faris, 14-16.

W

Washington:
New construction work of Interstate Utilities Co., 3-18.
Permanent injunction granted in Spokane rate case, 20-34.
Watson, Personality of Thos. A.,* by M. F. Hayman, 10-21.
West Virginia: Commission upheld by court in rate case, 19-34.
Winch:
R-B power winch for Ford trucks,* 6-32.
Winches in telephone work, Drum,* 4-32.
Wire chief: Duties of a, by Theodore A. Adle, 19-14.
Wisconsin: 17th annual convention,* by Stanley R. Edwards, 25-12.
Workmen's compensation, Nebraska Supreme Court decision on, 13-36.

Y

Yosemite Valley's telephone system,* by C. F. Fairly, 20-18.

AUTHORS' INDEX.

Adle, Theodore A.: Duties of a telephone wire chief, 19-14.
Allen, Jasper M.: Increasing sales of toll service, 1-12.
Anderson, G. A.: "Low-down" on plant accounting,* 14-12.
Barnes, Miss Anne:
Back-stage visions, 23-19.
Barriers, 8-32.
Bill Adams' next investment, 18-34.
Canned goods, 17-19.
Captain or crew, 5-24.
"Castles in the Air," 7-36.
Choked channels, 10-36.
City, town and Main street "Centrals," 2-20.
Coddled, 6-28.
Debt, 4-16.
John's white elephant, 14-36.
Indifference, 1-19.
Pessimism, 12-28.
Pleasant thought venders, 19-30.
Robbing Peter to pay Paul, 3-28.
Skim-milk executives, 11-22.
Spring house-cleaning, 24-18.
The niche that Mary filled, 13-32.
The postman's bag, 26-20.
The right answer, 25-19.
The white elephant's new keeper, 15-28.
The word bridge, 21-23.
Threads and thrums, 16-23.
Time thrift, 22-18.
We, 9-28.
Yeast, 20-21.
Bellows, B. C.: Observations on office management,* 26-12.
Boal, A. D.: New exchange at Belvidere, Ill.* 24-24.
Braunig, H. E.: Some data on creosoted pine poles,* 26-30.
Brokaw, A. C.: Tri-State installs 100,000th telephone,* 1-15.
Builta, Frank C.: What public cooperation means,* 3-12.
Campbell, E. I.: Selling Florida land by telephone,* 9-20.
Carty, General John J.: Semi-centennial of the telephone, 5-13.
Caster, M. T.: Lincoln company's improvements,* 9-16.
Catchpole, J. W.:
Automatic installed at Ipswich,* 23-28.
Modern system in old English city,* 13-40.
Strowger satellites for England,* 15-42.
Clapham, H. E.:
Modern plant at Manhattan, Kans.,* 25-27.
Modern system arises from Tokyo disaster, 9-30.
Erie moves its automatic switchboard,* 5-16.
Clay, Well: Sundry snapshots along the telephone trail,* 1-18, 2-19, 8-21, 13-29, 14-22, 15-32, 18-28, 23-18, 26-19.
Collins, E. R.: Exchange ringing interrupters, 4-17.
Devoe, I. J.: Management: financial statements,* 23-14.
Dobbins, H. T.: Nebraska's 27th annual convention,* 10-23.
Edwards, Stanley R.:
Keen interest in Iowa convention,* 17-12.
Ohio's greatest annual convention, 18-12.
The Minnesota "results" convention,* 6-12.
Wisconsin's 17th annual convention,* 25-12.
Elder, Miss Manta J.:
Operator's part in football game, 3-27.
Twenty years of telephone work,* 13-17.
Ettinger, V. P.: Improving telephone transmission,* 2-12.
Fairly, C. F., Yosemite Valley's telephone system,* 20-18.
Fargo, H. D., Jr.: New York puts over fine convention,* 22-12.
Faris, Harry N.:
Some lessons learned from the past,* 21-16.
Use of direct-reading ohmmeters,* 12-12, 13-22.
Voltmeter resistance measurements, 14-16.
Fitzpatrick, Walter J.: Accounting in utility regulation, 22-27.
Gaines, E. L.: The education of the stockholder, 22-19.
Gardner, L. S.: Texas holds excellent convention,* 13-12.
Gary, Theodore: The Independents and the industry, 11-14.
Geiger, C. W.: San Francisco's Chinatown exchange,* 25-17.
Grace, Miss Margaret Celeste: C-L-R method of handling toll,* 24-17.
Groleau, J. N.: Fundamentals of traffic results,* 7-14.
Hall, W. C.: Conditions affecting transmission,* 20-16.
Hanna, W. D.: Financing small telephone companies, 17-14.
Hayman, M. F.: Personality of Thomas A. Watson,* 10-21.
Holland, John: Tree trimming and public relations, 16-20.
Howatt, J. W.: Some Minnesota accounting errors,* 8-12.
Jackson, W. D.: Public liability and property damage insurance, 17-32.
Johnson, H. J.: Inexhaustible commercial work, 6-17.
Jonsson, Hugo: Sidelights on Swedish conditions,* 4-12.
Kugelman, C. W.: Fifty years of telephone service,* 16-12.
Lamkins, L. M.: Service car in small exchange,* 5-25.
Lapin, W. D.: Transmission in subscribers' loops,* 21-12.
Mackenzie, Cecil W.: Early days in and around Buffalo, 12-18.
MacKinnon, F. B.:
Independent factory a part of Independent group, 22-14.
The national association; its work, 18-18.
McCluer, C. P.: An old timer's reminiscences,* 11-23.
McCulla, H. F.: Form of advertising used effectively by Nebraska company, 2-26.
Mellor, Mark:
Approaching the balancing point, 12-17.
The other side of the window, 19-28.
Mendeck, Fred C.: Setting up field reports by "codes,"* 17-17.
Muller, Charles G.: Getting business by telephone, 3-16.
Norton, Chas. S.: Things the public should know,* 24-12.
Owens, Edwards C.: The telephone and rural residents, 3-26.
Pagels, R. F.: Operating P.B.X.,* 8-19.
Prado, A.: Power cabling of automatic plant,* 26-14.
Russell, C. B.: Independent telephone company accounting, 18-36.
Scoles, Harry C.: Peg count and traffic studies,* 15-17.
Seybold, J. L.: Utility financing requirements, 9-12.
Turner, E. C.: Why not apply chain store idea? 8-15.
Vandergrift, J. L.: Wins accident prevention cup, 9-18.
VanSickle, G. R.: Duties of a local traffic engineer, 23-20.
Wever, John M.: "Denied service" and collections, 2-17.
Wicks, John: Panama Canal telephone system,* 21-32.

Conversion Table—Issue Number to Date of Issue.

No. 1	January 2	No. 10	March 6	No. 19	May 8
No. 2	January 9	No. 11	March 13	No. 20	May 15
No. 3	January 16	No. 12	March 20	No. 21	May 22
No. 4	January 23	No. 13	March 27	No. 22	May 29
No. 5	January 30	No. 14	April 3	No. 23	June 5
No. 6	February 6	No. 15	April 10	No. 24	June 12
No. 7	February 13	No. 16	April 17	No. 25	June 19
No. 8	February 20	No. 17	April 24	No. 26	June 26
No. 9	February 27	No. 18	May 1		